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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/061,833 04/16/98 BOSSEMEYER

R A00394 (AMT-9)

WM02/0508

LAW OFFICE OF DALE B. HALLING
24 S. WEBER STREET, SUITE 311
COLORADO SPRING CO 80903

EXAMINER

ESCALANTE, O

ART UNIT

PAPER NUMBER

2645

DATE MAILED:

05/08/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/061,833

Applicant(s)

BOSSEMEYER ET AL.

Examiner

Ovidio Escalante

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-10, 22, 23 and 25-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-10, 22, 23 and 25-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

DETAILED ACTION

1. This action is in response to applicant's amendment filed on February 20, 2001. **Claims 1-4,6-10,22,23 and 25-30** are now pending in the present application.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 26, 2001 has been entered.

Claim Rejections - 35 USC § 102

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 22,23 and 25 are rejected under 35 U.S.C. 102(e) as being anticipated by McKendry et al. US Patent 5,768,356, (hereinafter McKendry).

Regarding claim 22, McKendry teaches of a switch (personal call manager – PCAM, fig. 1 and fig. 3) connected to an external telephony channel (trunk lines 110-1, 110-2) and an internal telephony channel (extensions 121-1,121-2,121-n):

a processor (PCAM controller 310, call handling detectors 360), (col. 19, lines 51-59,64-67 and col. 5, lines 56-63), capable of performing a derived line process, (the PCAM controller 310 is able to detect when one of the extensions goes off-hook and will monitor line, col. 44, lines 63-col. 45, line 6), connected to the switch (PCAM 100), the processor (PCAM controller 310) sending and receiving messages from the switch, (col. 5, lines 56-63), (The controller

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PCAM controller 310, uses a call handler operation to route, handle, and monitor telephone calls.);

a conference call bridge connected to the switch, (fig. 4, col. 25, lines 16-20); and
a caller identification (330, fig. 3) system receiving an identify query from the processor, (col. 21, lines 51-58).

Regarding claim 23, McKendry teaches of a voice processing system (answering machine 131, fig. 1) coupled to the processor (PCAM), the voice processing system capable of storing a voice mail, (fig. 1, col. 10, lines 4-5).

Regarding claim 25, McKendry discloses of a router coupled to the switch, (col. 3, line 61 – col. 4 line 3). The PCAM (router) routes the calls through the user premise.

Claim Rejections - 35 USC § 103

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

6. Claims 1,6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over McKendry et al. US Patent 5,768,356, (hereinafter McKendry) in view of Baldwin et al. US Patent 6,104,909, (hereinafter Baldwin) and further in view of Snelling et al. US Patent 6,058,104, (hereinafter Snelling).

Regarding claim 1, McKendry teaches of a user programmable call manager (PCAM) device which route incoming calls with a specified caller ID to various extensions such as a remote phone or to a telephone answering service.

McKendry further teaches of a home gateway system comprising:

a voice processing system (answering machine 131, fig. 1) coupled to a service entrance (191) which is connected via landline connection to the public switch network, the voice processing system is capable of storing a message from an incoming call (fig. 1, fig. 3, col. 10, lines 4-5).

a conference call bridge (fig. 4, col. 25 lines 16-18);

a caller identification processing system (330, fig. 3), the caller identification processing system determining a telephone number of the incoming call and routing the incoming call to the voice processing system if the telephone number belongs to a screened group of telephone numbers (col. 6, lines 57-65, col. 29, lines 21-34).

McKendry fails to teach using a wireless local loop having a transceiver coupled to the voice processing system and to the caller identification processing system. McKendry also fails to teach of having a transceiver with a multiplexer.

Baldwin teaches of a fixed wireless terminal (200, fig. 2) which may be attached to a building or residence which comprises a transceiver (210, fig. 2) which is capable of establishing a wireless local loop point to point link to a geographically separated, non-mobile base station (22, fig. 1) which is connected to the PSTN (24), (Fig. 1). The system of Baldwin also has a transceiver (210) which is coupled to a call processor (208) which sends caller identification information to the caller ID module (222), (Fig. 2). The processor encodes and decodes voice and data, (col. 4, lines 41-48, col. 5, lines 9-15).

Snelling teaches of a residential unit which may be connected by a landline connection or by a wireless local loop connection via the NCU (100, fig. 1), (col. 6, lines 50-64). Snelling

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further teaches that a transceiver is connected to a multiplexer for passing signals from the NCU to the wireless devices in the user's premise, (col. 6, lines 24-40).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the home gateway system of McKendry by replacing the service entrance switch with a fixed wireless local loop connection, as taught by Baldwin, so that the connection between the users home and PSTN can be less expensive and so that status information may be displayed or reported from a fixed wireless terminal operating in a wireless local loop. It would have also been obvious to further modify the system of McKendry and Baldwin to use a multiplexer in the transceiver as taught by Snelling so that more than two signals can be passed through the lines.

Regarding claim 6, McKendry teaches of a controller capable of redirecting the incoming call to a predetermined forwarded telephone number, (col. 7 lines 64-67). As stated above, it would have been obvious to connect the controller to a transceiver to establish a wireless local loop connection.

Regarding claim 8, McKendry and Baldwin as applied above teaches the system includes a router coupled to a transceiver. The system of McKendry routes calls from a landline-based system. McKendry also teaches of routers are well known in the prior art (col. 3 line 61 – col. 4 line 3). The PCAM routes call to various locations in the user's premise. It would have been obvious that the router is coupled to a transceiver if the system establishes a wireless local loop connection as taught above with Baldwin.

7. Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over McKendry in view of Baldwin and further in view of Snelling and further in view of Shen U.S. Patent 5,812,649.

Regarding claim 2, while McKendry, Baldwin and Snelling teaches of having a caller identification system they do not expressly disclose of a processor determining if the incoming call is received during an existing call and posting an indicia of the incoming call to a user when the incoming call is received during the existing call.

Shen teaches of a method for supporting spontaneous call waiting ID service. Shen further discloses of posting a caller name on a display when the user is on the line, (col. 2 lines 26-39).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of McKendry, Baldwin and Snelling by having Caller Identification on Call Waiting (SCWID) as taught by Shen so that the user can see who is calling when the line is in use.

Regarding claims 3 and 4, McKendry discloses of the voice processing system including a controller for detecting the incoming call and directing the system to play a plurality of options to a caller (col. 5 lines 16-20). If the system is able to play a plurality of option to the caller it inherently must have a speech synthesizer. The caller can have the option of routing the call to any of the local extensions on the user's premise.

8. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over McKendry in view of Baldwin and further in view of Snelling and further in view of Hylton US Patent 5,793,413.

Regarding claim 7, McKendry and Baldwin, as applied above, fail to teach of using a smart card.

Hylton teaches of using a smart card in a home system that is connected by means of a fixed wireless local loop connection, (col. 28, lines 36-40). The smart card is used to transmit user data into the system.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of McKendry, Baldwin and Snelling by using a smart card as taught by Hylton so that so that a users may communication with e.g., medical information through a processor and broadband network to a receiving party with the use of a smart card that comprises user personal information.

9. Claims 9, 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over McKendry in view of Baldwin and further in view of Snelling and further in view of Sizer, II et al. U.S. Patent 6,021,324 (hereinafter Sizer).

Regarding claims 9 and 10, McKendry, Baldwin and Snelling, as applied above, do not expressly teach of a security system and a television processing system coupled to a router.

Sizer teaches of a system and apparatus for controlling appliances situated within a premise. The system has a television processing system (col. 4 lines 44-58) and a home security system, (col. 1, lines 52-56 and figure 1). The system of Sizer allows a user to control various appliances in the house from a remote location using voice recognition.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of McKendry and Baldwin by having a television processing system and a home security system so that the caller ID information can be displayed

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to the user on the television and the user can remotely control various appliances around the house which includes a home security system via a telephone.

10. Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable McKendry in view of Hylton US Patent 5,793,413.

Regarding claim 26, McKendry, as applied above, does not expressly disclose of a smart card interface connected to the processor.

Hylton teaches of a smart card interface connected to the processor, (col. 28 lines 36-40). The smart card is used to transmit user data into the system.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of McKendry by using a smart card as disclosed by Hylton so that a users may communication with e.g., medical information through a processor and broadband network to a receiving party with the use of a smart card that comprises user personal information.

11. Claims 27-28 is rejected under 35 U.S.C. 103(a) as being unpatentable over McKendry in view of Hylton and further in view of Sizer, II et al. US Patent 6,021,324, (hereinafter Sizer).

Regarding claims 27 and 28, McKendry and Hylton as applied above fail to teaches of using a television processing system and a home security system.

Sizer teaches of a system and apparatus for controlling appliances situated within a premise. The system has a television processing system (col. 4 lines 44-58) and a home security system, (col. 1, lines 52-56 and figure 1). The system of Sizer allows a user to control various appliances in the house from a remote location using voice recognition.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of McKendry and Hylton by having a television processing system and a home security system so that the caller ID information can be displayed to the user on the television and the user can remotely control various appliances around the house which includes a home security system via a telephone.

12. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over McKendry in view of Hylton and further in view of Sizer and further in view of Gorman US 6,141,356.

Regarding claim 29, while McKendry, Hylton and Sizer teach of a system which connects to a PSTN line via a land line connection they failed to teach of including a wireless local loop transceiver connecting to the external telephony channel.

Gorman teaches of a method for distributing high-speed data information using plain old telephone services voice signals throughout a user premise. Gorman further teaches of a fixed wireless local loop transceiver connected to the external telephony channel, (Figs 1 and 3).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the home system of McKendry, Hylton and Sizer by establishing a wireless local loop connection as taught by Gorman so that the connection between the users home and PSTN can be less expensive since wireless connection cost less than landline connections.

13. Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sizer in view of McKendry and further in view of Baldwin and further in view of Hylton.

Regarding claim 30, Sizer discloses of a home gateway system comprising:
a switch (80);

a processor (microprocessor – 32) connected to the switch receiving a query from the switch and sending a response to the switch (col. 9, lines 10-22);

a caller identification system (50) connected to the processor (32), the caller identification system coupled to a display (44), (col. 4, lines 59-67);

a home automation and security system, capable of sending and receiving a message through the telephony network (col. 1, lines 52-56); and a television processing system (12) connected to the router and receiving a television signal, the television processing system capable of sending an information to a television. . (Fig. 1, col. 4, lines 43-58).

Sizer does not expressly teach of a conference call bridge being connected to the switch. McKendry teaches of conference calling (figure 4, column 25 lines 16-18). It would have been obvious to allow the system of Sizer to use conference calls to allow a user to make conference calls.

Sizer and McKendry fail to teach of a wireless transceiver attached to a home, capable of establishing a wireless local loop point to point link with a geographically separated non-mobile base station. Baldwin teaches of establishing the wireless local loop connection (fig. 1 and fig. 2). It is also well known in the art that a multiplexer is used to pass two or more signals over one communication circuit. It would have been obvious if not inherent that Baldwin has a multiplexer since the call processor of Baldwin sends call processing parameters during the call set up, receives and transmits communication and displays call status information. Baldwin may obviously have a multiplexer in the call processor.

It would have been obvious to allow for the home gateway system of Sizer and McKendry to be established with a wireless local loop connection as taught by Baldwin so that

the connection between the users home and PSTN can be less expensive and so that status information may be displayed or reported from a fixed wireless terminal operating in a wireless local loop.

Sizer, McKendry and Baldwin fail to teach of using a smart card. Hylton discloses of a wireless connection (see figure 2) to a device wherein the device has smart card, (col. 28, lines 36-45).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Sizer by allowing the user to establish a conference call as taught by McKendry so that the user can have three-way calling. It would have also been obvious to further modify the system of Sizer and McKendry by establishing a wireless local loop connection as taught by so that the connection between the users home and PSTN can be less expensive and so that status information may be displayed or reported from a fixed wireless terminal operating in a wireless local loop. Finally, it would have been obvious to further modify the system of Sizer, McKendry and Baldwin by using a smart card in the home gateway system as taught by Hylton so that a users may communication with e.g., medical information through a processor and broadband network to a receiving party with the use of a smart card that comprises user personal information.

14. Applicant's arguments with respect to claims 1-4,6-10,22,23 and 25-30 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Chen US Patent 5,987,061. Chen discloses of method for allocating bandwidth to lines if insufficient bandwidth is available for the requested line, (col. 14, lines 19-67).

Katko US Patent 6,223,054. Wireless local loop system utilizing independent central offices located in new residential and commercial development.

16. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 308-6306, (for formal communications intended for entry)

Or:

(703) 308-6306 (for informal or draft communications, please label
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA, Sixth Floor (Receptionist).

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ovidio Escalante whose telephone number is (703) 308-6262.

The examiner can normally be reached on Monday to Friday from 7:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang, can be reached on (703) 305-4895. The fax phone number for this Group is (703) 308-6306 or (703) 308-6296.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [fan.tsang@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

Ovidio Escalante
Examiner
Group 2645
May 5, 2001

FAN TSANG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

A handwritten signature in black ink, appearing to read 'Fan Tsang', is written over the printed name and title.